



**PolyOne Corporation**  
33587 Walker Road  
Avon Lake, OH 44012  
Phone: 440-930-1000  
[www.polyone.com](http://www.polyone.com)

**John H. Hornickel**  
Intellectual Property Counsel  
Corporate Law Department  
Direct Line: (440) 930-3317  
Fax: (440) 930-1179  
Email: John.Hornickel@Polyone.com

March 10, 2006

VIA FAX: (41-22) 740 14 35

The International Bureau of PCT  
World Intellectual Property Organization  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

International Application No.: PCT/US2004/032650

International Filing Date: 1 October 2004

Applicants: POLYONE CORPORATION, David JARUS, and Jeff CICERCHI

**Common Representative: POLYONE CORPORATION**

Applicant's Reference: 1200323WO

**Request to Correct Applicants, Inventors, and Inventor/Applicants**

Dear Sir or Madam:

The Common Representative, on behalf of all Applicants for all Designated States hereby requests correction of the named Applicants, Inventors, and Inventor/Applicants.

In addition to the current Applicants and Inventors, the International Application has the following Applicants, Inventors, and Inventor/Applicants:

*Additional Applicant for all designated States except US:*

**AMCOL INTERNATIONAL CORPORATION [US/US]; One North Arlington, 1500 West Shure Drive, Arlington Heights, IL 60004 (US)**

*Additional Inventors and Additional Inventors/Applicants for US only:*

**QIAN, Guoqiang [CN/US]; 2161 Apple Hill Lane, Buffalo Grove, IL 60089 (US)  
LAN, Tie [US/US]; 2995 Roslyn Lane, Buffalo Grove, IL 60089 (US)**

Please acknowledge and record these changes before the conclusion of the International Stage on April 8, 2006 for all designated and elected Offices.

Sincerely yours,

John H. Hornickel  
Assistant Secretary  
PolyOne Corporation  
*Common Representative*

TRANSMISSION VERIFICATION REPORT

TIME : 03/10/2006 18:11

DATE, TIME	03/10 18:10
FAX NO./NAME	981141227481435
DURATION	00:00:24
PAGE(S)	01
RESULT	OK
MODE	STANDARD ECM



[Home](#)  
[About Patents](#)  
[PCT Resources](#)  
[PCT Electronic Filing](#)  
[Patent & Technical Information](#)  
[Statistics](#)  
[Law of Patents](#)  
[Meetings](#)  
[E-mail Updates](#)  
[Contact](#)

[ [Printable version](#) ]

## (WO/2005/056644) NANOCLAY-CONTAINING COMPOSITES AND METHODS OF THEM

[Biblio. Data](#) | [Description](#) | [Claims](#) | [Documents](#)

### Latest bibliographic data on file with the International Bureau

**Publication No.:** WO/2005/056644      **International Application No.:** PCT/US2004/032650  
**Publication Date:** 23.06.2005      **International Filing Date:** 01.10.2004

**Int. Class. 7:** C08L 23/10

**Applicants:** POLYONE CORPORATION [US/US]; 33587 Walker Road, Avon Lake, OH 44012 (US) (All E. AMCOL INTERNATIONAL CORPORATION [US/US]; One North Arlington, 1500 West Shure Arlington Heights, IL 60004 (US) (All Except US).  
 JARUS, David [US/US]; 3008 Claremont Road, Shaker Hts., OH 44122 (US) (US Only).  
 CICERCHI, Jeff [US/US]; 281 Eaton Ridge Drive, Apt. 206, Sagamore Hills, OH 44067 (US).  
 QIAN, Guoqiang [CN/US]; 2161 Apple Hill Lane, Buffalo Grove, IL 60089 (US) (US Only).  
 LAN, Tie [US/US]; 2995 Roslyn Lane, Buffalo Grove, IL 60089 (US) (US Only).

**Inventors:** JARUS, David [US/US]; 3008 Claremont Road, Shaker Hts., OH 44122 (US).  
 CICERCHI, Jeff [US/US]; 281 Eaton Ridge Drive, Apt. 206, Sagamore Hills, OH 44067 (US).  
 QIAN, Guoqiang [CN/US]; 2161 Apple Hill Lane, Buffalo Grove, IL 60089 (US).  
 LAN, Tie [US/US]; 2995 Roslyn Lane, Buffalo Grove, IL 60089 (US).

**Priority Data:** 60/509,679 08.10.2003 US  
 60/538,534 22.01.2004 US  
 60/539,250 26.01.2004 US

**Title:** NANOCLAY-CONTAINING COMPOSITES AND METHODS OF MAKING THEM

**Abstract:** A composite of nanoclay and thermoplastic matrix polymer is disclosed, optionally containing a elastomer and also optionally containing a dispersion agent for the nanoclay. The nanocomposite prepared for use with thermoplastic polyolefins (TPO's). The polyolefin elastomer, preferably an octene copolymer, is added into a mixing extruder downstream of the other ingredients. The nanoconcentrate contributes increased stiffness and toughness to a TPO, which can be used for articles such as automotive parts.

**Designated States:** AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, African Regional Intellectual Property Org. (ARIPO) (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SE, UG, ZM, ZW)

Eurasian Patent Organization (EAPO) (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM)

European Patent Office (EPO) (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, MC, NL, PL, PT, RO, SE, SI, SK, TR)

African Intellectual Property Organization (OAPI) (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, NE, SN, TD, TG).

**Publication Language:** English (EN)

**Filing Language:** English (EN)